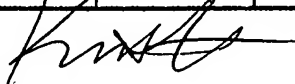


ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Title of Invention	DIRECTIONAL ELECTROMAGNETIC WAVE RESISTIVITY APPARATUS AND METHOD																																																																																																																								
<p>Application Number : 10/709212</p> <p>Confirmation Number:</p> <p>First Named Applicant: QIMING LI</p> <p>Attorney Docket Number: 20.2886</p> <p>Art Unit: 2862</p> <p>Examiner: Whittington</p> <p>Search string: (6163155 or 5115198 or 4319191 or 5508616 or 5757191 or 5781436 or 6044325 or 6147496 or 6181138 or 6476609 or 5517464 or 5235285 or 6351127 or 6297639 or 6380744 or 6541979 or 6556015 or 6573222 or 6566881 or 6557794 or 6304086 or 6624634 or 6584408 or 6667620 or 6594584 or 6630830 or 20030184302 or 20040046560 or 20040046561 or 20030085707 or 20020057210 or 20030184304 or 20030184488 or 20030200029 or 20020079899 or 20030229450).pn</p>																																																																																																																									
<p>US Patent Documents</p> <p>Note: Applicant is not required to submit a paper copy of cited US Patent Documents</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>init</th> <th>Cite.No.</th> <th>Patent No.</th> <th>Date</th> <th>Patentee</th> <th>Kind</th> <th>Class</th> <th>Subclass</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>1</td> <td>6163155</td> <td>2000-12-19</td> <td>BITTAR</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td>2</td> <td>5115198</td> <td>1992-05-19</td> <td>GIANZERO ET AL.</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td>3</td> <td>4319191</td> <td>1982-03-09</td> <td>MEADOR ET AL.</td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td>4</td> <td>5508616</td> <td>1996-04-16</td> <td>SATO ET AL.</td> <td></td> <td></td> <td></td> </tr> <tr> <td>5</td> <td>5</td> <td>5757191</td> <td>1998-05-26</td> <td>GIANZERO</td> <td></td> <td></td> <td></td> </tr> <tr> <td>6</td> <td>6</td> <td>5781436</td> <td>1998-07-14</td> <td>FORGANG ET AL.</td> <td></td> <td></td> <td></td> </tr> <tr> <td>7</td> <td>7</td> <td>6044325</td> <td>2000-03-28</td> <td>CHAVRAVARTHY ET AL.</td> <td></td> <td></td> <td></td> </tr> <tr> <td>8</td> <td>8</td> <td>6147496</td> <td>2000-11-14</td> <td>STRACK ET AL.</td> <td></td> <td></td> <td></td> </tr> <tr> <td>9</td> <td>9</td> <td>6181138</td> <td>2001-01-30</td> <td>HAGIWARA ET AL.</td> <td></td> <td></td> <td></td> </tr> <tr> <td>10</td> <td>10</td> <td>6476609</td> <td>2002-11-05</td> <td>BITTAR</td> <td></td> <td></td> <td></td> </tr> <tr> <td>11</td> <td>11</td> <td>5517464</td> <td>1996-05-14</td> <td>LERNER ET AL.</td> <td></td> <td></td> <td></td> </tr> <tr> <td>12</td> <td>12</td> <td>5235285</td> <td>1993-08-10</td> <td>CLARK ET AL.</td> <td></td> <td></td> <td></td> </tr> <tr> <td>13</td> <td>13</td> <td>6351127</td> <td>2002-02-26</td> <td>ROSTHAL ET AL.</td> <td></td> <td></td> <td></td> </tr> <tr> <td>14</td> <td>14</td> <td>6297639</td> <td>2001-10-02</td> <td>CLARK ET AL.</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass	1	1	6163155	2000-12-19	BITTAR				2	2	5115198	1992-05-19	GIANZERO ET AL.				3	3	4319191	1982-03-09	MEADOR ET AL.				4	4	5508616	1996-04-16	SATO ET AL.				5	5	5757191	1998-05-26	GIANZERO				6	6	5781436	1998-07-14	FORGANG ET AL.				7	7	6044325	2000-03-28	CHAVRAVARTHY ET AL.				8	8	6147496	2000-11-14	STRACK ET AL.				9	9	6181138	2001-01-30	HAGIWARA ET AL.				10	10	6476609	2002-11-05	BITTAR				11	11	5517464	1996-05-14	LERNER ET AL.				12	12	5235285	1993-08-10	CLARK ET AL.				13	13	6351127	2002-02-26	ROSTHAL ET AL.				14	14	6297639	2001-10-02	CLARK ET AL.			
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2 of 2

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21	6304086	2001-10-16	MINERBO ET AL.			
22	6624634	2003-09-23	ROSTHAL ET AL.			
23	6584408	2003-06-24	OMERAGIC			
24	6667620	2003-12-23	HOMAN ET AL.			
25	6594584	2003-07-15	OMERAGIC ET AL.			
26	6630830	2003-10-07	OMERAGIC ET AL.			

US Published Applications

Note: Applicant is not required to submit a paper copy of cited US Published Applications

init	Cite.No.	Pub. No.	Date	Applicant	Kind	Class	Subclass
15	1	20030184302	2003-10-02	OMERAGIC ET AL.			
	2	20040046560	2004-03-11	ISTKOVICH ET AL.			
	3	20040046561	2004-03-11	ISTKOVICH ET AL.			
	4	20030085707	2003-05-08	MINERBO ET AL.			
	5	20020057210	2002-05-16	FREY ET AL.			
	6	20030184304	2003-10-02	HOMAN ET AL.			
	7	20030184488	2003-10-02	SMITH ET AL.			
	8	20030200029	2003-10-23	OMERAGIC ET AL.			
	9	20020079899	2002-06-27	FREY ET AL.			
	10	20030229450	2003-12-11	STRICKLAND			

Signature

Examiner Name	Date
<i>[Signature]</i>	3/30/06

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LIST OF INFORMATION PROVIDED
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ATTY. DOCKET NO.
20.2886SERIAL NO.
10/709,212

APPLICANT: Li et al.

FILING DATE:
04/21/04GROUP
2862

REFERENCE DESIGNATION U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Patentee
AA			
AB			
AC			
AD			
AE			
AF			
AG			
AH			
AI			

FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Translation	
					Yes	No
	AL					
	AM					
	AN					
	AO					

OTHER INFORMATION PROVIDED (AUTHOR, TITLE, DATE, PLACE OF PUBLICATION, PERTINENT PAGES, ETC.)

AR	I.R. Tribe et al., "Precise Well Placement using Rotary Steerable Systems and LWD Measurements," SPE 71396, SPE Annual Technical Conference and Exhibition, New Orleans, LA, Sept. 30, 2001 - October 3, 2001
AS	
AT	

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DATE CONSIDERED

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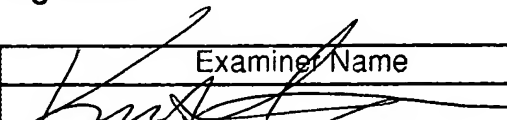
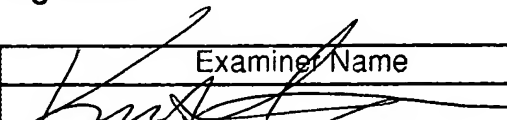
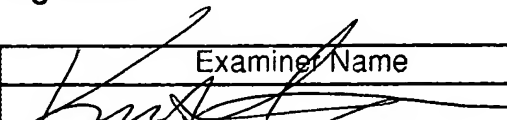
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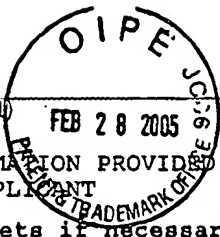
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ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Title of Invention	DIRECTIONAL ELECTROMAGNETIC WAVE RESISTIVITY APPARATUS AND METHOD								
Application Number :		10/709212							
Confirmation Number:		3211							
First Named Applicant:		QIMING LI							
Attorney Docket Number:		20.2886							
Art Unit:									
Examiner:									
Search string:		(20040124841 or 20040108853).pn							
<p><u>Certification:</u> This Information Disclosure Statement was submitted under the following conditions, which satisfies the requirement under 37 CFR 1.97(e). The filer certified:</p> <p>That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement.</p>									
<p>US Published Applications</p> <p>Note: Applicant is not required to submit a paper copy of cited US Published Applications</p>									
init	Cite.No.	Pub. No.	Date	Applicant	Kind	Class	Subclass		
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UW	2	20040108853	2004-06-10	ROSTHAL	—	—	—		
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ATTY. DOCKET NO.
20.2886SERIAL NO.
10/709,212

APPLICANT: Li et al.

FILING DATE:
04/21/04

GROUP

REFERENCE DESIGNATION U.S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Patentee
LJW	AA	5406206	04/11/95	Safinya et al.
LJW	AB	4766384	08/23/88	Kleinberg et al.
	AC			
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	AE			
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	AG			
	AH			
	AI			

FOREIGN PATENT DOCUMENTS

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LJW	AL	2 107 313	03/20/98	RU	Abstract	
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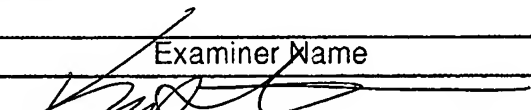
- The attached cited information should not be construed as an admission that any of the above items are prior art to the subject invention.
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Attorney Docket Number:		19.0405D1					
Art Unit:							
Examiner:							
Search string:		(6937022 or 20050083063).pn					
US Patent Documents							
Note: Applicant is not required to submit a paper copy of cited US Patent Documents							
init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
<i>JK</i>	1	6937022	2005-08-30	WANG ET AL.			
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